

NCI Center for Bioinformatics Informatics Seminar Series

Using Protégé to Bridge Vocabulary and Information Spaces

**10:00 AM till Noon
October 18, 2004**

Bldg (6116 Executive Blvd), Room 6006

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The Division of Biomedical Informatics at the Mayo Clinic has been developing a set of resources to make clinical terminologies available when, how and where they are needed. Collectively known as the Lexical Grid, these resources include open source tools, terminology content and standards bound together by a common model.

To be useful, the resources of the Lexical Grid need to be linked to the information model(s) embodied in everyday clinical records. Terminology has always been used in the clinical record as a source of pre-defined codes for data entry fields. This approach worked as long as the rest of the model used in the clinical record was well understood by all parties. The emerging need to share clinical records across organizations and disciplines requires a more rigorous definition of *all* of the aspects of the clinical record, not just the result field. These definitions, in turn, must be map able to the table and form names, column headings, subsections, questions and all of the other components used to define and acquire clinical information.

This presentation describes one way that Protege can be used to define the various elements of an information model using external terminologies. It describes how terminology can be imported and used in conjunction with the sort of modeling tasks that Protégé is frequently used for, such as defining entry forms, information models, etc., and how the various components of this model relate to the information model described in Part 3 of the ISO/IEC 11179 standard on metadata registries.

Following the presentation there will be an open discussion.